

Please type a plus sign (+) inside this box → 

01/09/06

PTO/SB/08A (09-00)

Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1448A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/521,086
		Filing Date	13 January 2005
		First Named Inventor	Frederick Marcel van der Vliet
		Group Art Unit	not assigned
		Examiner Name	not assigned
		Attorney Docket Number	GEML 4793-3
Sheet	1	of	2

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
GA	A1	6,236,784		Ido	05/22/2001	
GA	A2	2002/0114572	A1	Bouda	08/22/2002	
	A3					
	A4					
	A5					
	A6					
	A7					
	A8					
	A9					
	A10					
	A11					
	A12					
	A13					
	A14					
	A15					
	A16					
	A17					
	A18					
	A19					
	A20					

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
GA	B1		DE 101 21 007	A1	Metzler, Johann-Peter	11/14/2002	
GA	B2		GB 2 368 131	A	Walker, Robert Graham	04/24/2002	
GA	B3		EP 0 811 860	A2	Li, Yuan P.	12/10/1997	
	B4						
	B5						
	B6						
	B7						
	B8						
	B9						
	B10						

Examiner Signature		Date Considered	10/22/06
-----------------------	---	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Best Available Copy

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0851-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/521,086
		Filing Date	13 January 2005
		First Named Inventor	Frederick Marcel van der Vliet
		Group Art Unit	not assigned
		Examiner Name	not assigned
		Attorney Docket Number	GEML 4793-3
Sheet	2	of	2

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
GA		LORENZO ET AL: "Improved Self-Imaging Characteristics in 1 x N Multimode Couplers", IEEE Proceedings: Optoelectronics, Institution of Electrical Engineers, Stevenage, GB, Vol. 145, no. 1, February 1998 (1998-02-20), pages 65-69, ISSN: 1350-2433 figure 1	
GA		KEH-YI LEE ET AL: "New Type of 1 x 3 MMI Optical Power Dividers with Reverse Taper Section", Journal of Optical Communications, 24 (2003) 1, 31-34, XP009019114, figure 1	
GA		KRUEGER ET AL: "Design and Realisation of a Novel Polymer-based Singlemode Integrated-Optical Beam Splitter", MOEMS & Miniaturized Systems, Santa Clara, CA USA, 18-20 Sept. 2000 Vol. 4178, pgs. 77-87, XP-002257830, Proceedings of SPIE - The International Society for Optical Engr., 2000, SPIE-Int. Soc. Opt. Eng. USA ISSN: 0277-786X	
GA		ZIRNGIBL: "Efficient 1 x 16 Optical Power Splitter Based on InP", Electronics Letters 18th June 1992, Vol. 28 No. 13, pages 1212-1213, XP000301390, ISSN: 0013-5194, figure 1	

Examiner Signature		Date Considered	10/22/04
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Best Available Copy

10/09/06 ✓
EK

PTO/SB/08A (09-08)

Approved for use through 03/31/2007. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO <h2 style="text-align: center; margin: 10px 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; font-size: small;">(Use as many sheets as necessary)</p>	<h3 style="text-align: center; margin: 0;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/521,086</td> </tr> <tr> <td>Filing Date</td> <td>09 January 2006</td> </tr> <tr> <td>First Named Inventor</td> <td>Frederick van der Vleet</td> </tr> <tr> <td>Art Unit</td> <td>2883</td> </tr> <tr> <td>Examiner Name</td> <td>Guy G. Anderson</td> </tr> <tr> <td>Attorney Docket Number</td> <td>GEML 4793-3</td> </tr> </table>	Application Number	10/521,086	Filing Date	09 January 2006	First Named Inventor	Frederick van der Vleet	Art Unit	2883	Examiner Name	Guy G. Anderson	Attorney Docket Number	GEML 4793-3
Application Number	10/521,086												
Filing Date	09 January 2006												
First Named Inventor	Frederick van der Vleet												
Art Unit	2883												
Examiner Name	Guy G. Anderson												
Attorney Docket Number	GEML 4793-3												
Sheet <u>1</u> of <u>1</u>													

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
GA		US- 5,629,992	05-13-1997	AMERSFOORT ET AL.	
GA		US- 6,069,990	05-30-2000	OKAWA ET AL.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)				
GA		EP 0 444 817 B1	04-16-1997	AT&T		
GA		EP 0 881 512	12-02-1998	LUCENT TECHNOLOGIES		
GA		WO 02/101435A1	12-19-2002	ALCATEL OPTRONICS UK		
GA		JP 09297228A	11-18-1997	NIPPON T&T CORP		

Examiner Signature	Date Considered	10/22/06
--------------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.